

Appl. No. 10/551,986
Amdt. dated May 6, 2008
Reply to Office action of November 6, 2007

In the Drawings:

Please amend FIGS. 3 and 6 as in the attached markup drawing sheets, to change the word "recyangular" to --rectangular--.

The drawing markup sheet and replacement sheet are attached at the end of this response.

REMARKS

Reconsideration is respectfully requested. Claims 5 and 6 are present in the application. Non-elected claims 1-4, 7 and 8 are canceled. Claims 5 and 6 are amended.

The Examiner states that the information disclosure statement failed to comply with the rule 37 CFR 1.98(a)(3) because it "does not include a concise explanation of the relevance of each patent listed that is not in the English language."

Applicant respectfully points out that the IDS was in compliance with the requirements of a concise explanation of the relevance of each patent listed that is not in the English language, and accordingly the IDS should be considered. The 2 documents the Examiner has not considered were cited on the International Search Report, and the Manual of Patent Examining Procedure clearly states that an A, X or Y indication of the relevance on the International Search Report complies with the requirement of a concise explanation of the relevance of a non-English language document. In this particular case, the two documents were indicated as "A" relevance. Applicant respectfully requests that this particular procedure and portion of the Manual of Patent Examining Procedure be followed (currently in MPEP section 609.04(a) (III)). The information disclosure statement letter as filed with the information

disclosure statement specifically referred to the portion of the Manual of Patent Examining Procedure that notes this concept. Applicant respectfully requests that this be considered as it is proper and in compliance with U.S. Patent and Trademark Office requirements.

The relevant section of the Manual of Patent Examining Procedure states:

Where the information listed is not in the English language, but was cited in a search report or other action by a foreign patent office in a counterpart foreign application, the requirement for a concise explanation of relevance can be satisfied by submitting an English-language version of the search report or action which indicates the degree of relevance found by the foreign office. This may be an explanation of which portion of the reference is particularly relevant, to which claims it applies, or merely an "X", "Y", or "A" indication on a search report.

[Emphasis added]

The Examiner objects to the abstract as being "too long". A shortened abstract is presented herewith.

The Examiner objects to the specification because the abbreviation EB in EB lithography is not defined. Clearly this is referring to Electron Beam lithography as is well known and used in the art. Applicant has, however, added the definition the first time the term appears in the specification, to comply with the Examiner's requirement. The term and the abbreviation EB is well known in the art and widely used such that one of

ordinary skill in the art would instantly know what the term means.

On page 5 of the office action, the Examiner objects to the claims because of "informalities", which are addressed in the amended claims herein and by the comments below.

The Examiner states that it is not clear what "luminance angular distribution" means. Applicant notes that the term "luminance angular distribution" means luminance distribution with respect to each angle of light emitted from the "virtual light".

Regarding the term "density", in the 2nd line from the bottom of Page 6 of the action, the Examiner states that "density of pixels means 'a number of pixels in a volume or area'". Referring to page 12, line 2 of the specification, what applicant means by the term "density" is "brightness". The noted portion of the specification sets this forth as follows (also numbered paragraph [0040] in the published version of the application US-2006-0256413-A1):

Here, the density is supposed to be a value, which takes a bigger value when brightness is high as generally used in digital image. (It is considered that, when black and white are compared with each other, white has higher density.)

Regarding the term "complex amplitude", the Examiner asserts that the term is confusing and incorrect, that complex amplitude

is recorded since a computer-generated hologram is generated via a recordation of the interference pattern.

Applicant respectfully notes that there are a method of recording the interference pattern and a method of directly recording complex amplitude distribution, as a means for recording complex amplitude, as described in line 21 at page 16 of the application as filed (also numbered paragraph [0052] of the published application):

Further, in the case shown in FIG. 1, the method based on the interference with the reference light 2 is used for the purpose of fixing the complex amplitude value Q_{WLc} (x_2 , y_2 , z_2) of the object light (object wave) 1 as hologram, while the method of Lohmann or the method of Lee (non-patent reference 1) to directly reconstruct complex . . .

With respect to the term "spread", the Examiner asserts in page 8, line 7 of the office action that "light converges to a point and has no spread".

Applicant respectfully traverses this analysis, and notes that light spreads after it converges to a point, since light is a wave.

In view of the above, the application is respectfully believed to be in condition for allowance.

Please contact applicant's attorney at 503-224-0115 if there are any questions.

It is believed that the required fees are being submitted herewith and no further fees are due with this filing.

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However, if additional fees are required to keep the application pending, please charge deposit account 503036. If fee refund is owed, please refund to deposit account 503036.

Respectfully submitted,


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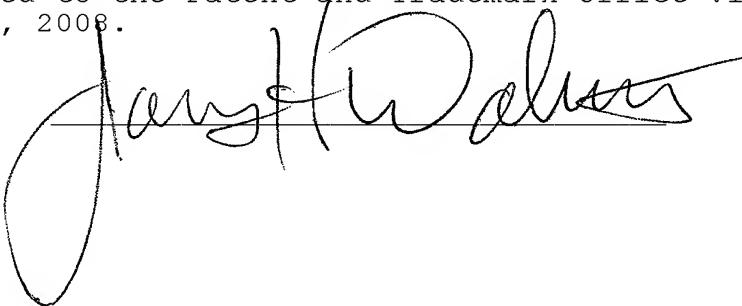


FIG. 3

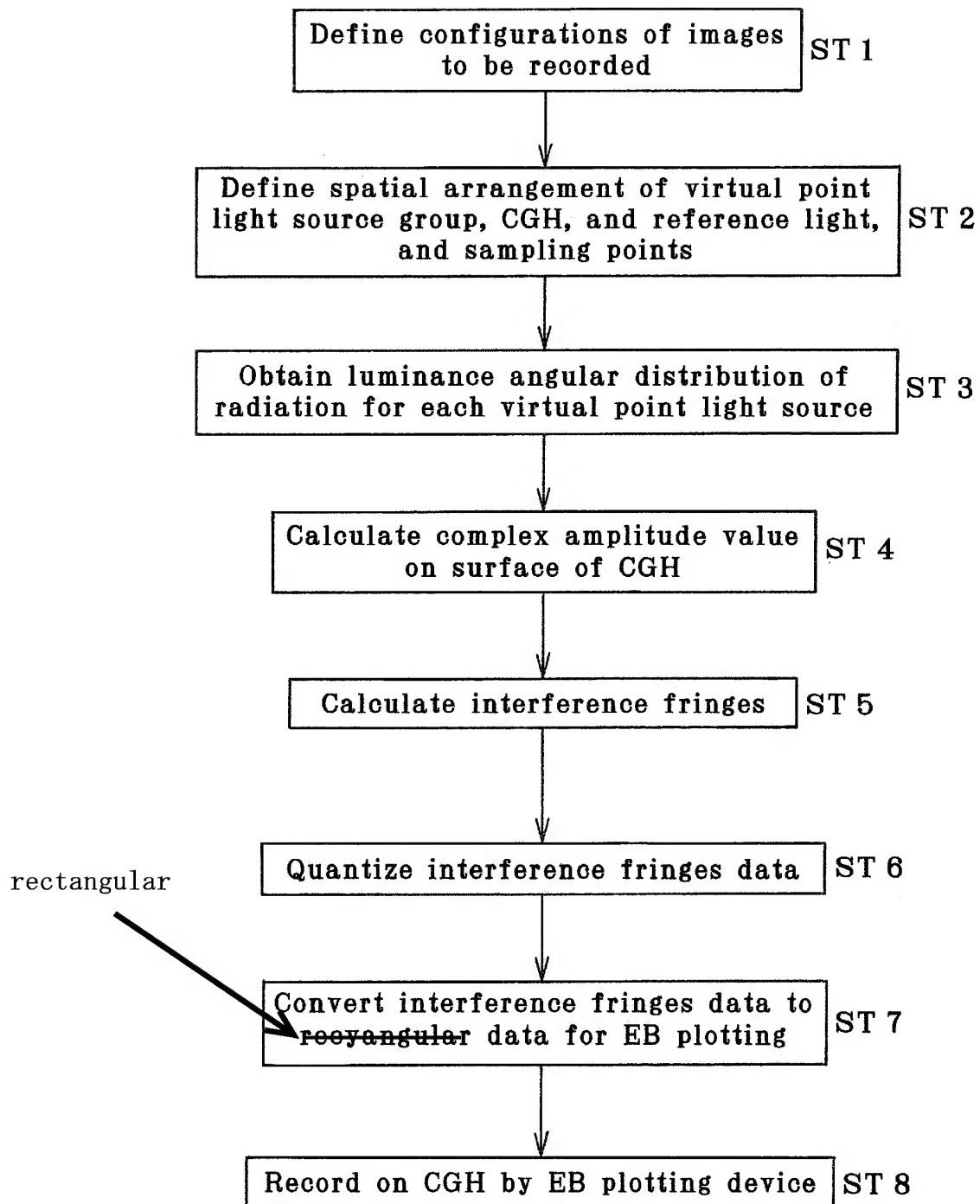


FIG. 6

